

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
WO 2004/009173 A3

(51) International Patent Classification⁷: A61H 1/02,
23/00, A63B 21/00

[IT/GB]; Aberdeen University, Research and Innovation,
University Office, Kings College, Aberdeen AB24 3FX
(GB).

(21) International Application Number:
PCT/GB2003/003258

(74) Agents: WILLIAMS, Paul, Edwin et al.; Ablett & Stebbins,
Caparo House, 101-103 Baker Street, London W1U
6FQ (GB).

(22) International Filing Date: 22 July 2003 (22.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0216982.9 22 July 2002 (22.07.2002) GB

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (for all designated States except US): ABERDEEN UNIVERSITY [GB/GB]; Research and Innovation, University Office, Kings College, Aberdeen AB24 3FX (GB).

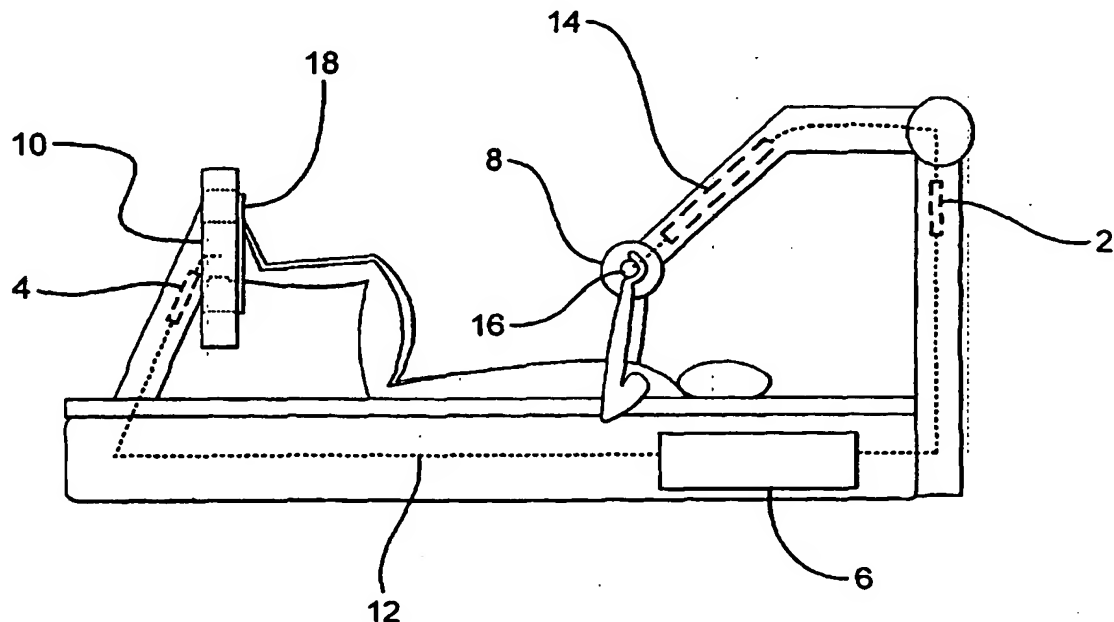
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): CARDINALE, Marco

[Continued on next page]

(54) Title: APPARATUS AND METHOD FOR MUSCULAR STIMULATION



(57) Abstract: Apparatus for muscular stimulation of a user comprises a pressure sensor (2, 4), a control unit (6) to which pressure values sensed by the pressure sensor are fed, and a vibrational stimulator (8, 10) for applying vibrational stimulation. The vibrational stimulator is activated by the control unit in response to the pressure sensor sensing an applied pressure which exceeds a threshold pressure value.

WO 2004/009173 A3